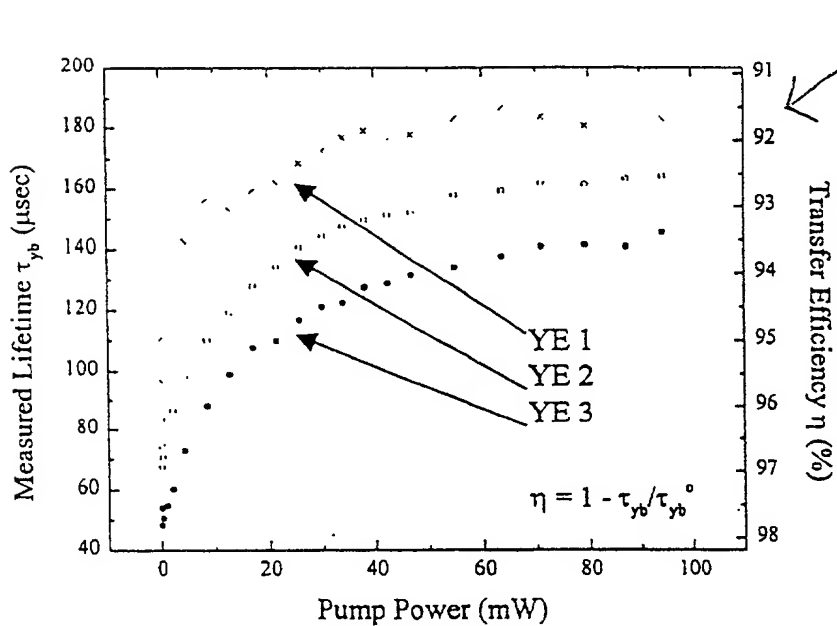


FIGURE 1



YE 1: 2wt% Yb₂O₃ + 2wt% Er₂O₃;
 YE 2: 4wt% Yb₂O₃ + 2wt% Er₂O₃;
 YE 3: 6wt% Yb₂O₃ + 2wt% Er₂O₃;

FIGURE 2

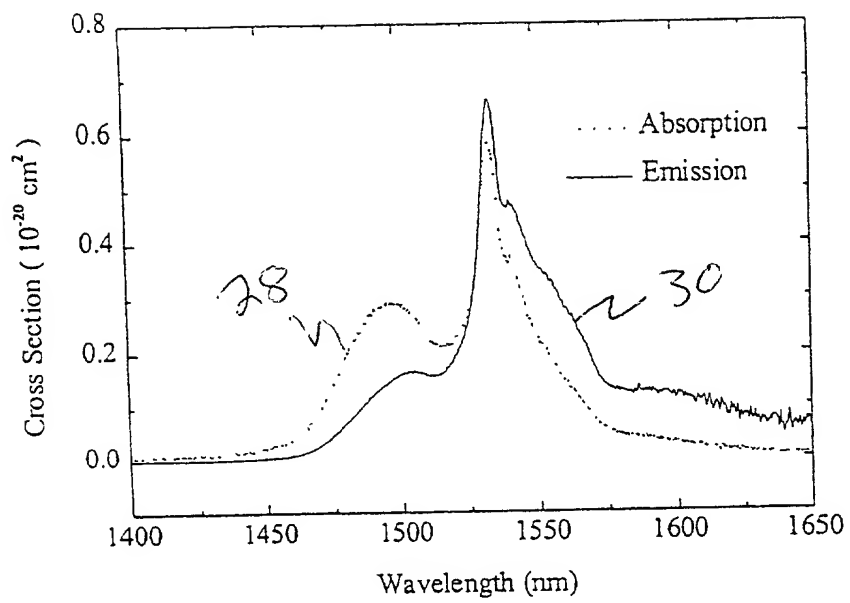


FIGURE : 3

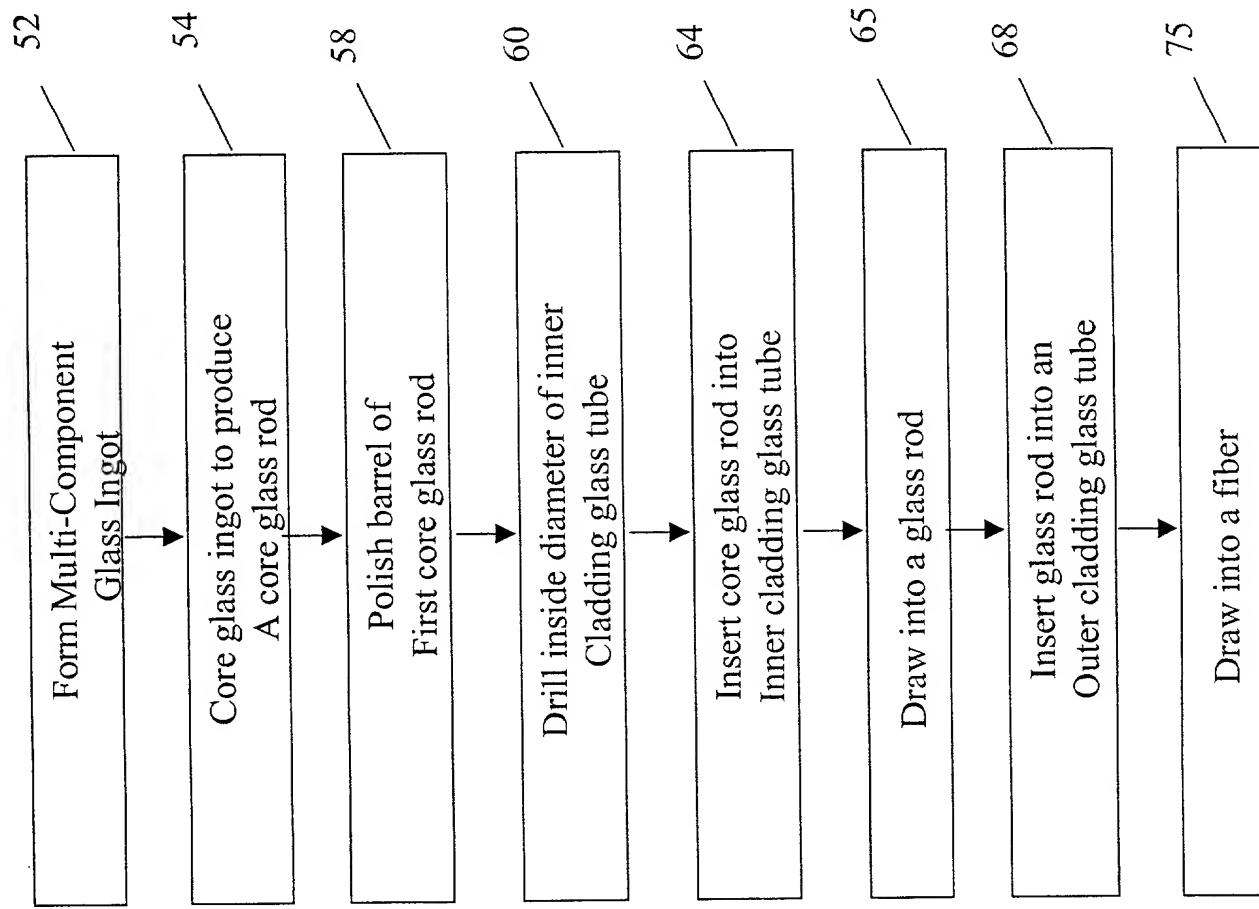


FIGURE 4

FIG. 5 is a schematic diagram of a method for forming a composite material.

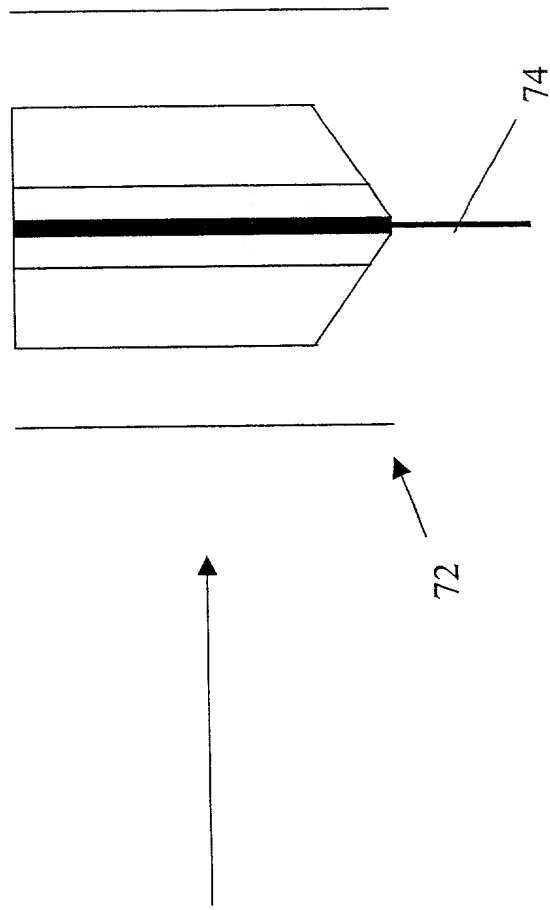
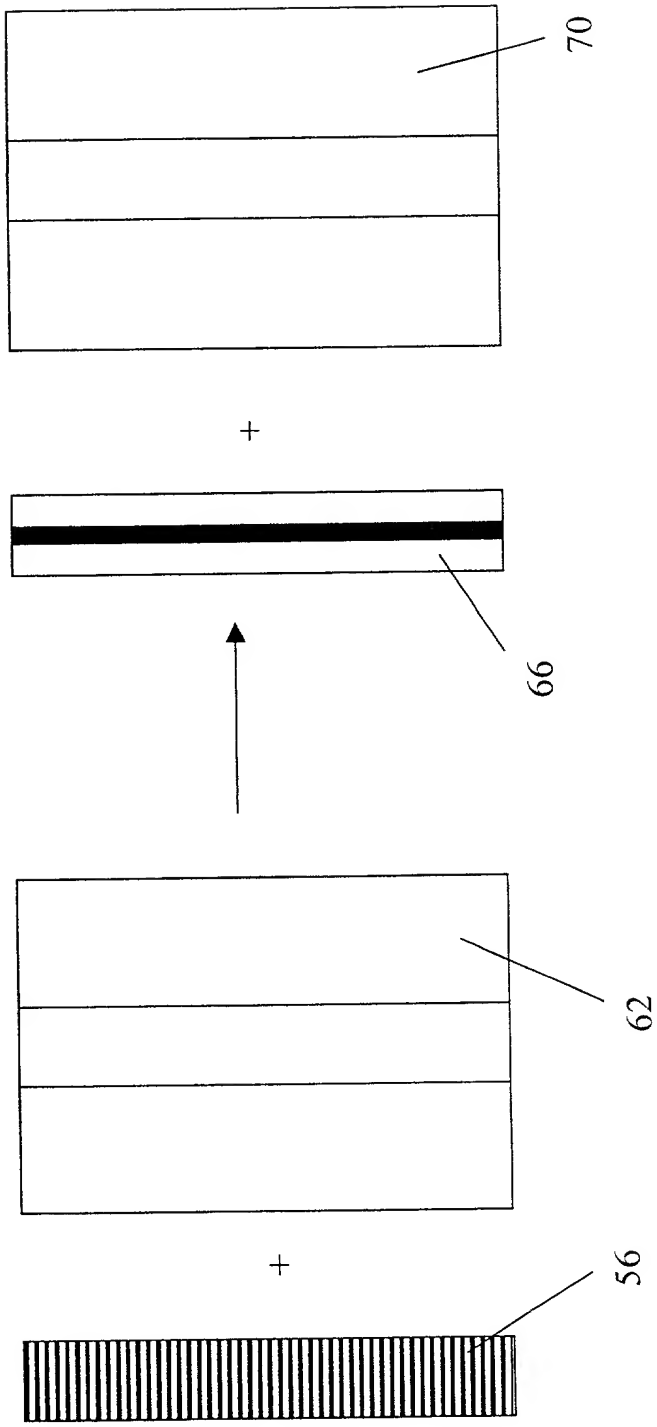


FIGURE 5

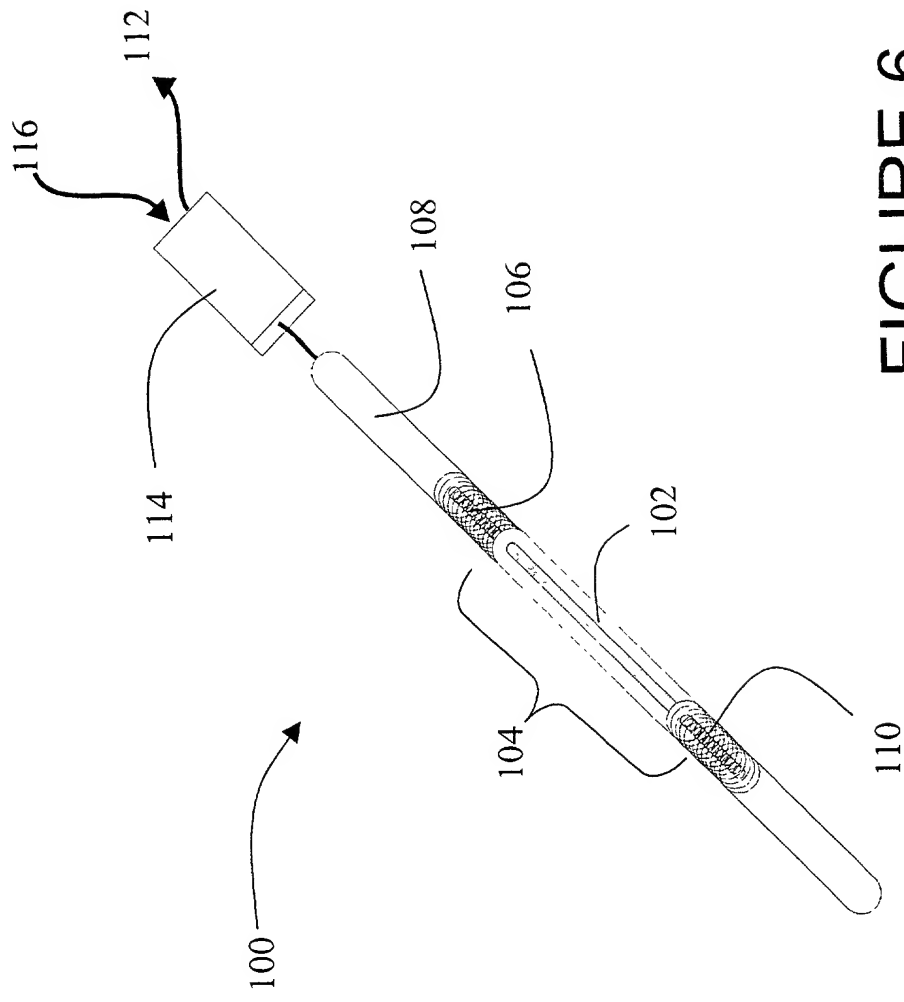


FIGURE 6

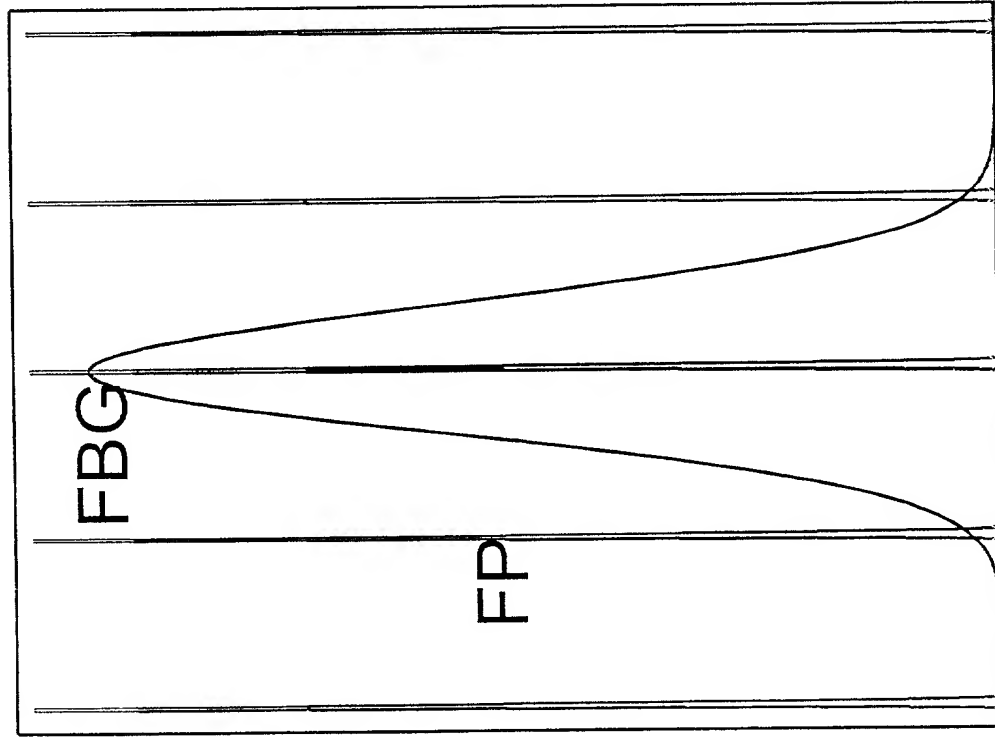


FIGURE 7a

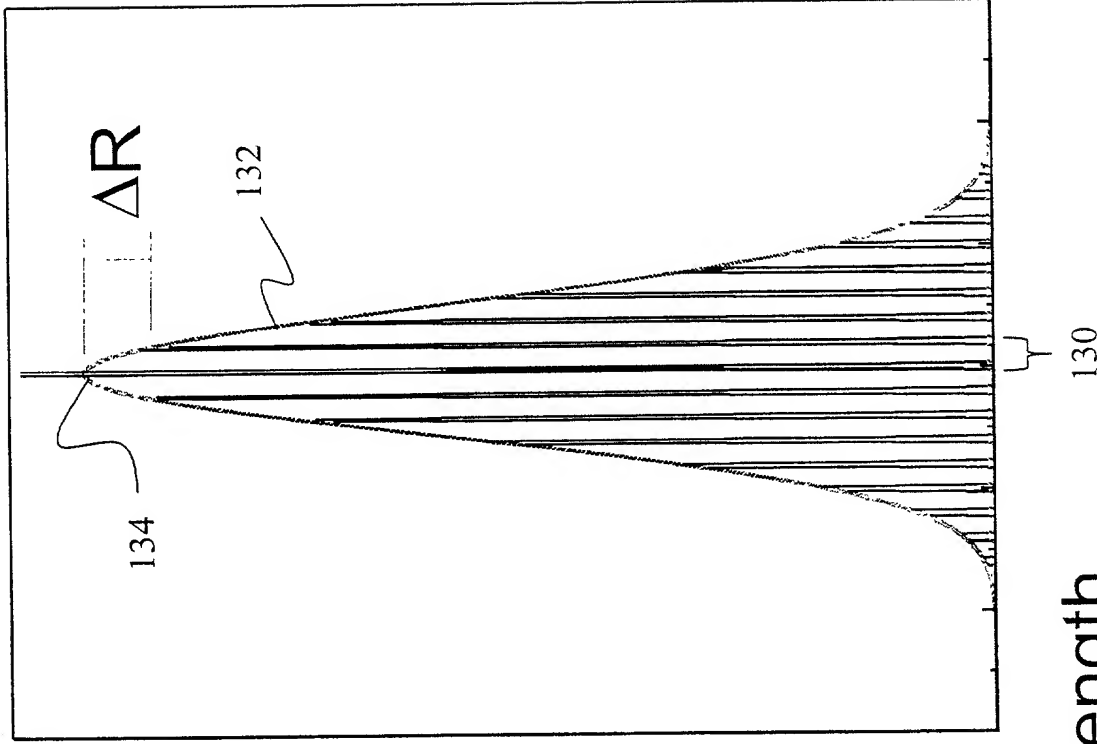


FIGURE 7b

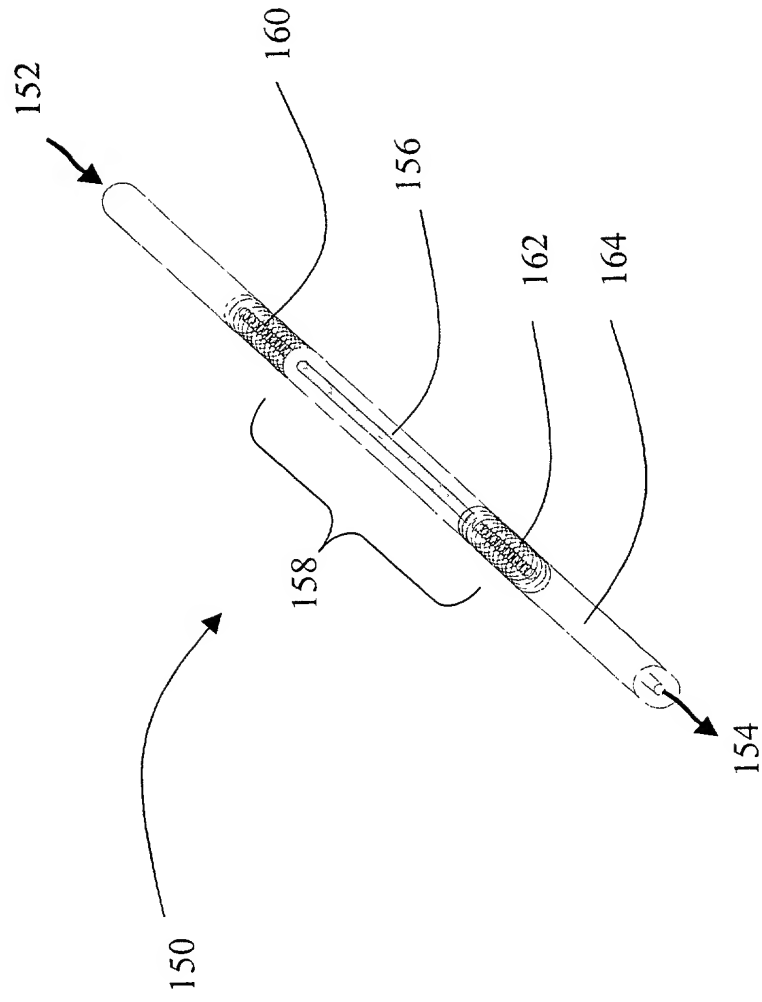


FIGURE 8

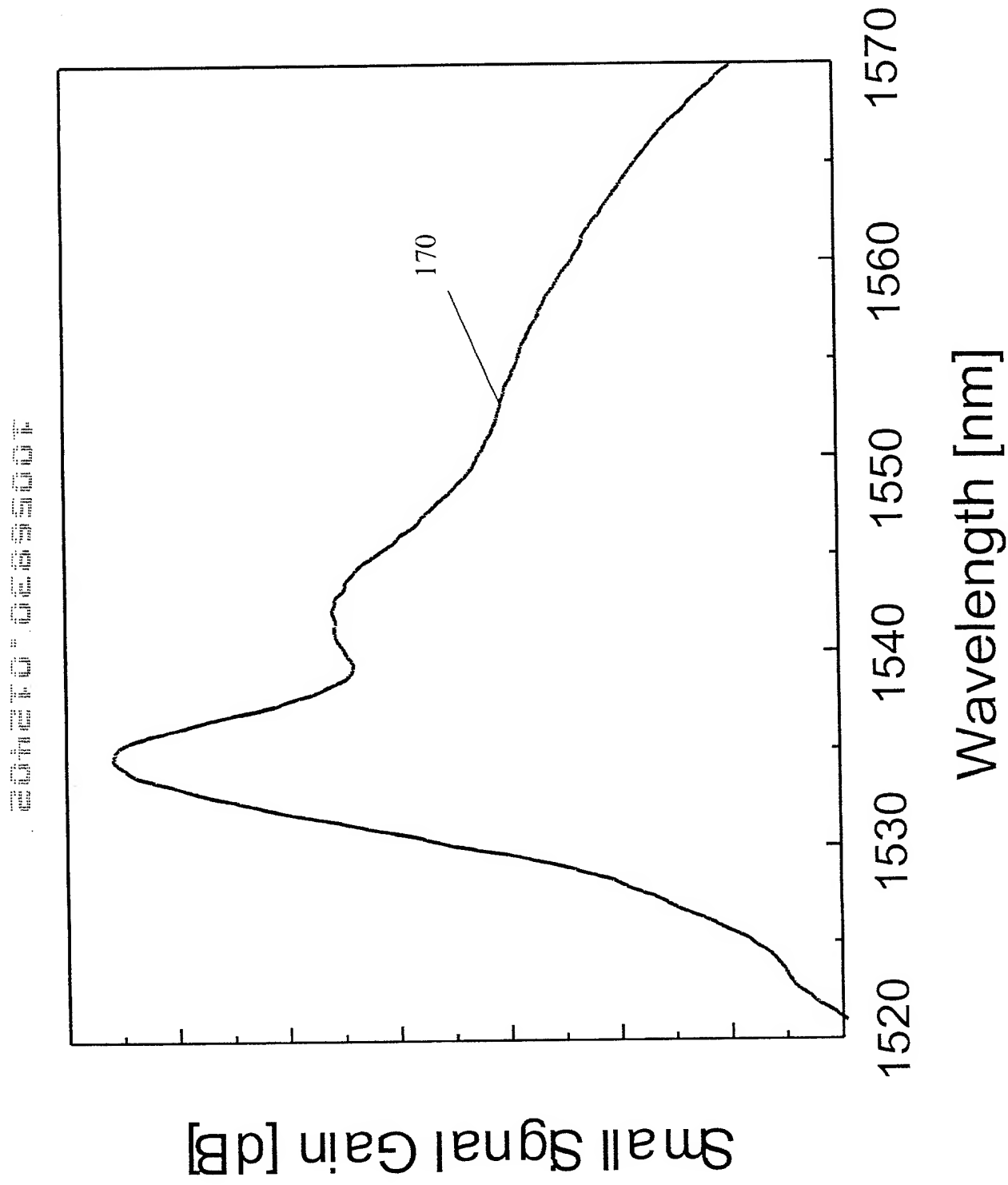


FIGURE 9

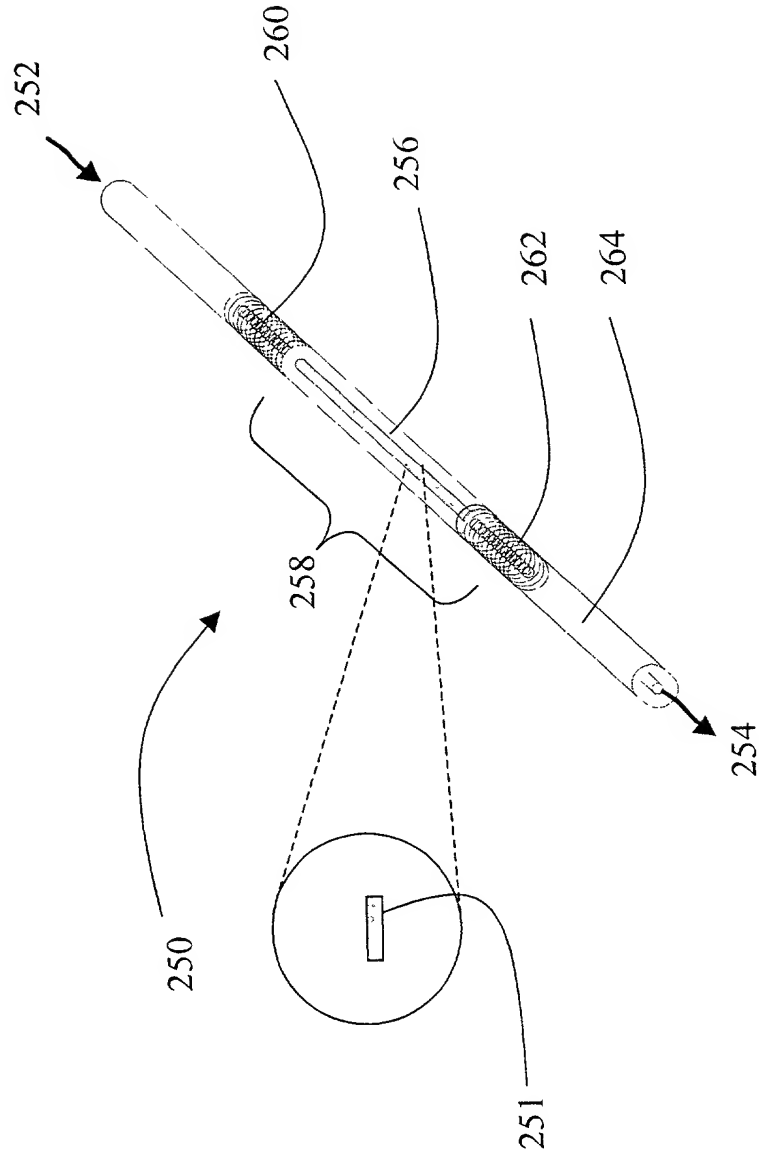


FIGURE 12

P = 240 mW, @1565 nm, Pump_coupl_loss = 0.8 dB, eta = 0.95. Prop_loss = 0.1 dB/cm, Coupl_loss = 2x0.1 dB

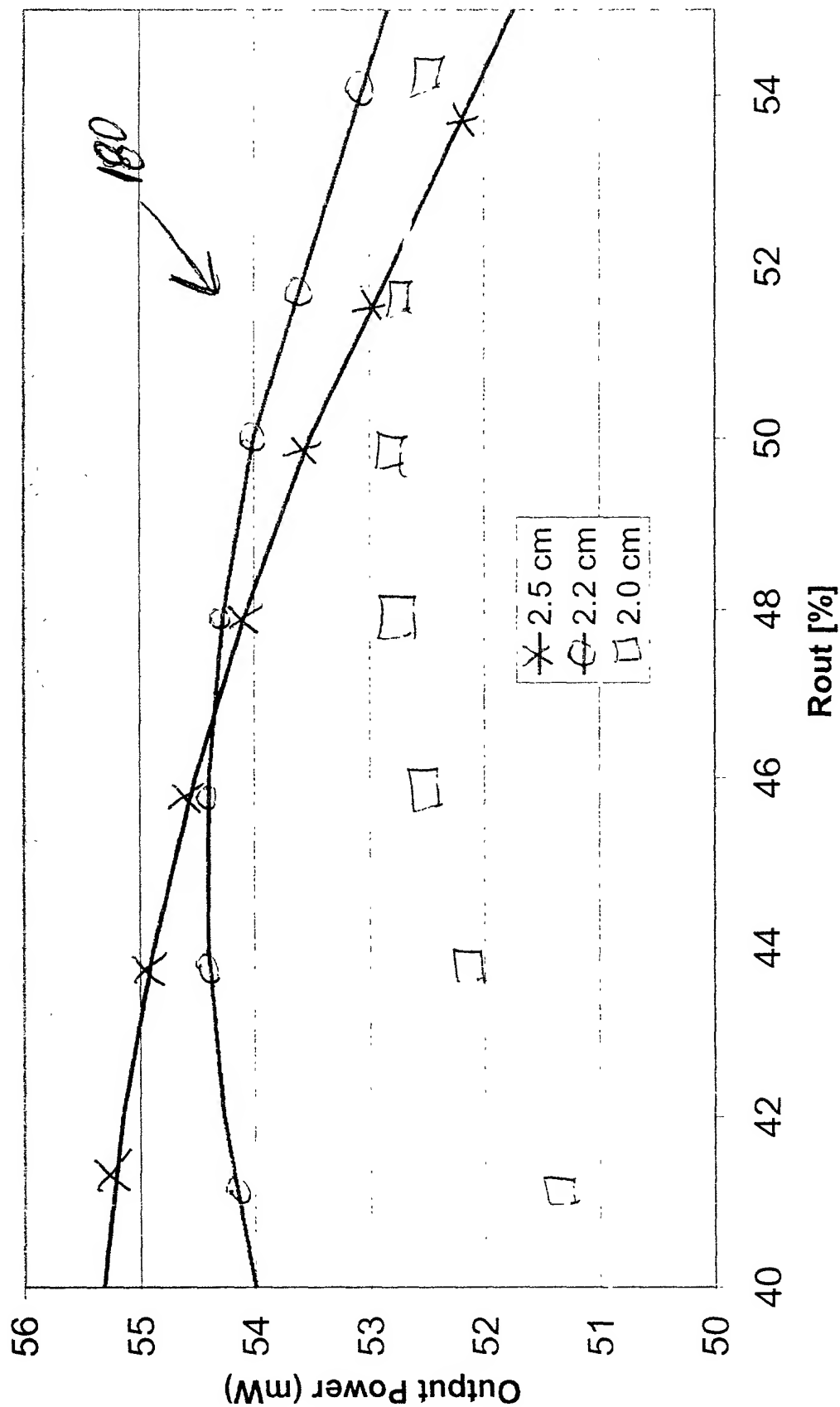


FIGURE 10

Efficiency of power absorption

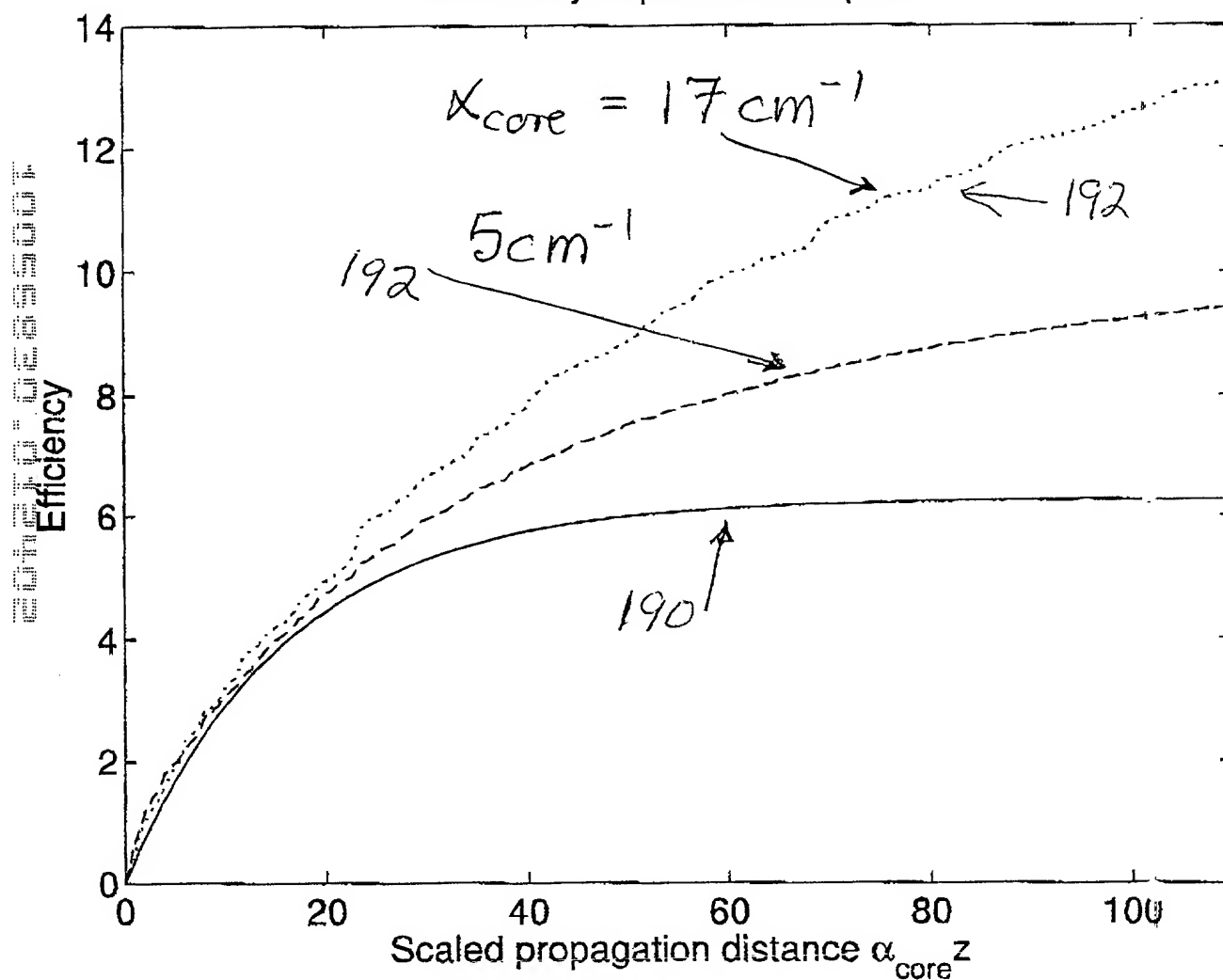


FIGURE 11